

FIGURE 1

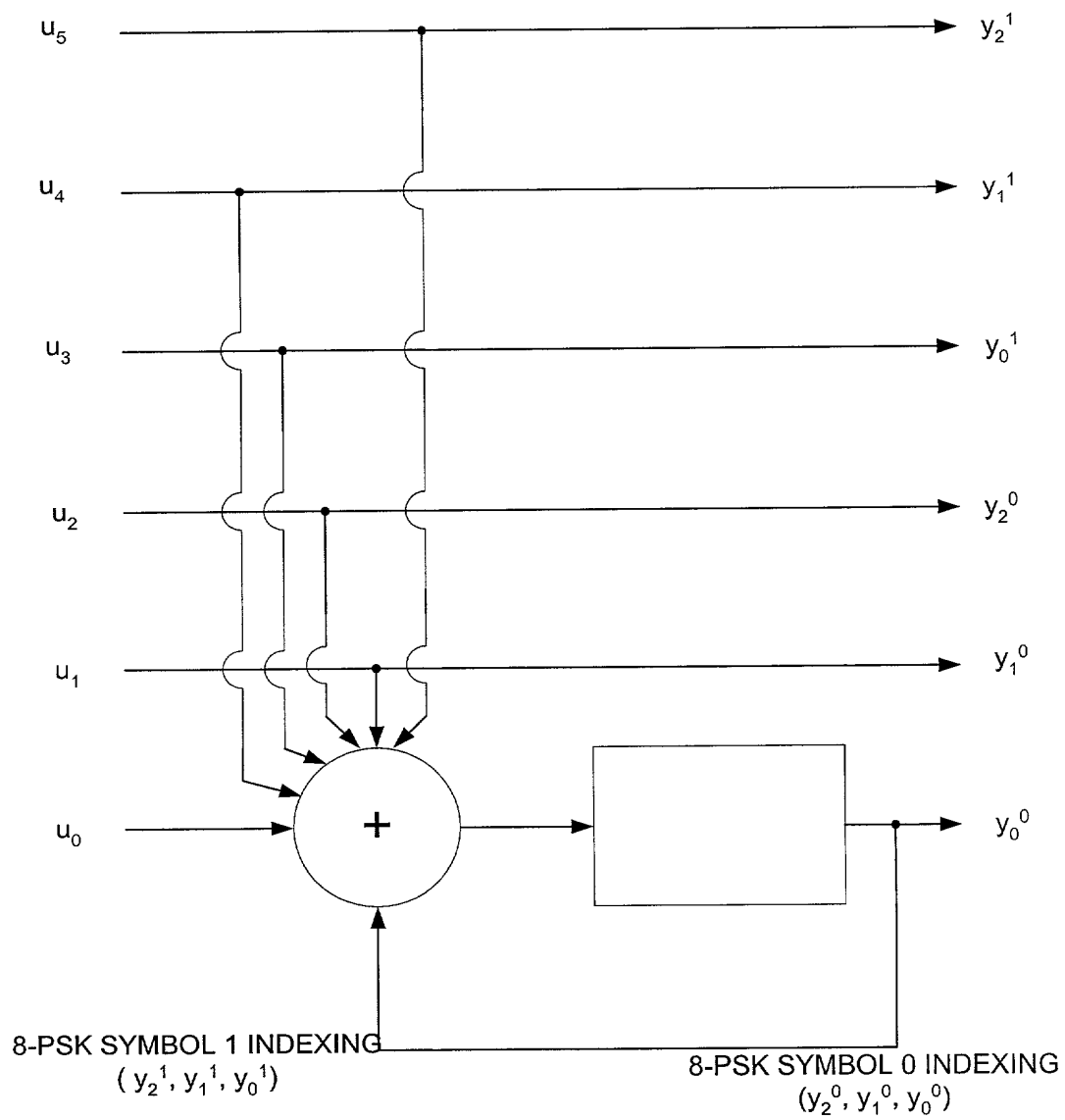


FIGURE 2

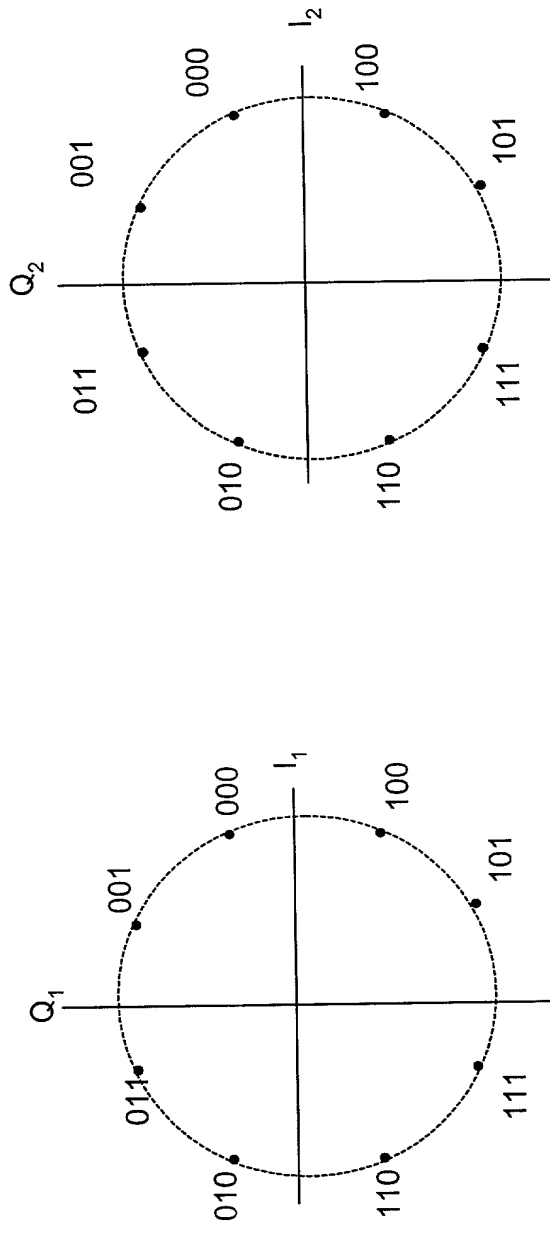


FIGURE 3

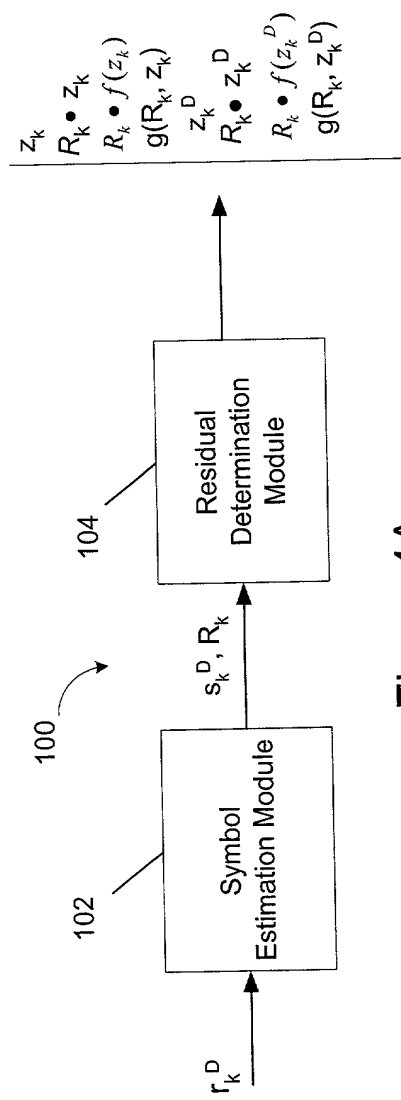


Figure 4A

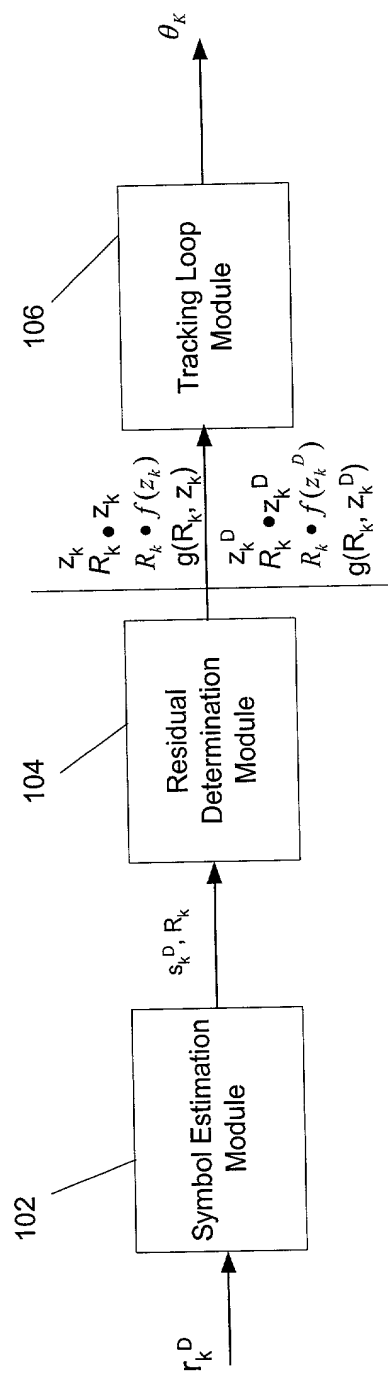


Figure 4B

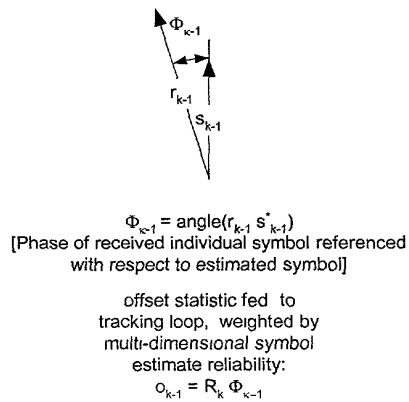


Figure 5A

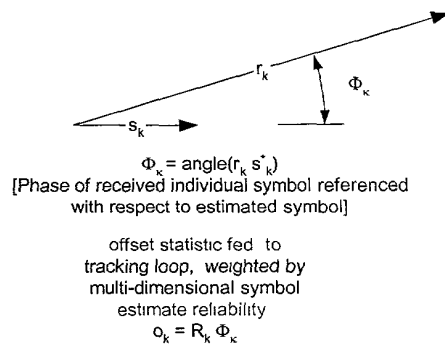
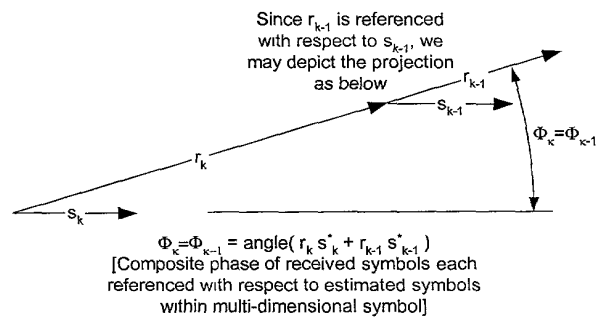


Figure 5B



offset statistic fed to tracking loop, weighted by multi-dimensional symbol estimate reliability:
 $o_k = o_{k-1} = R_k \Phi_k$

This may be sent to tracking loop once per multi-dimensional symbol, or repeated for every individual symbol

Figure 5C

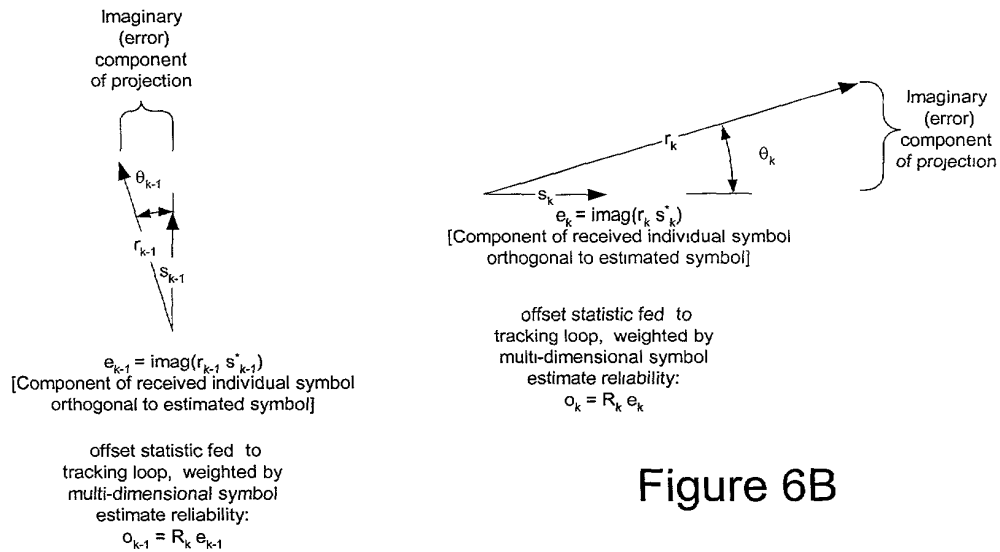


Figure 6B

Figure 6A

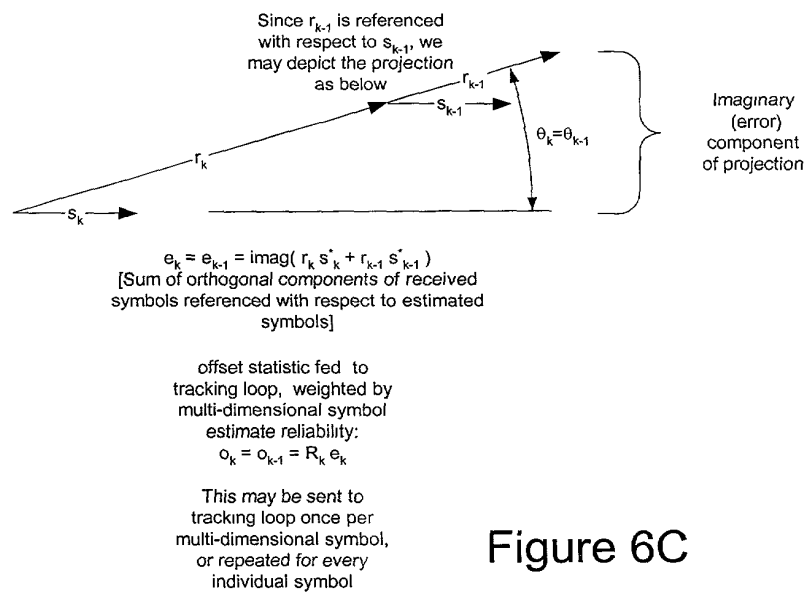


Figure 6C

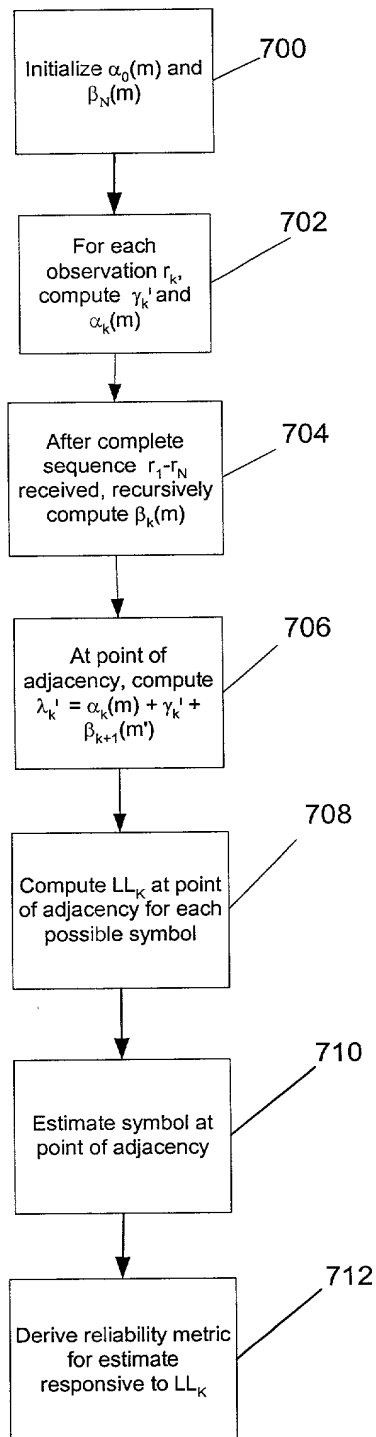


Figure 7

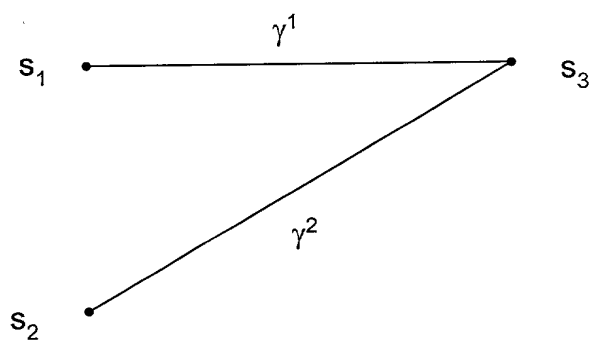


Figure 8

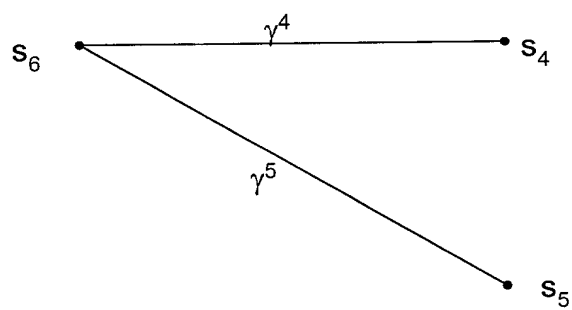


Figure 9

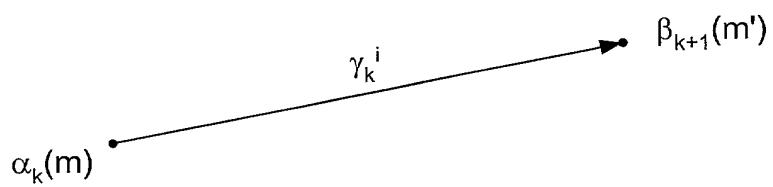


Figure 10

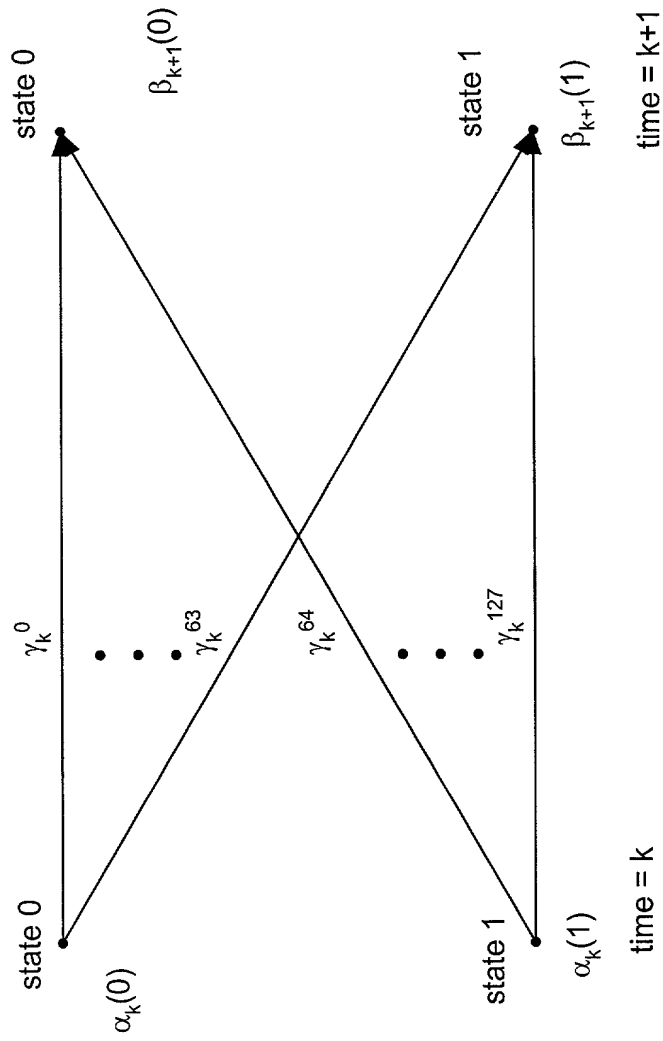


Figure 11